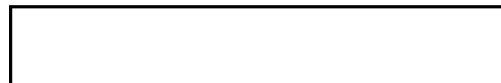


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PHOTOGRAPHIC INTERPRETATION REPORT



VITAL RECORDS COPY
RECENT CHANGES AT
PEI-CHING GUIDED MISSILE
DEVELOPMENT AND
PRODUCTION CENTER
CHANG-HSIN-TIEN, CHINA



FEBRUARY 1967

COPY 116

7 PAGES

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Declass Review by NIMA/DOD

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
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RECENT CHANGES AT PEI-CHING GUIDED MISSILE DEVELOPMENT AND PRODUCTION CENTER CHANG-HSIN-TIEN, CHINA

The Pei-ching Guided Missile Development and Production Center (PGMDPC), Chang-hsin-tien [REDACTED] is located 3 nautical miles (nm) west of Chang-hsin-tien and 13 nm southwest of Pei-ching (Peiping), China, at 39-49-30N 116-08-00E (Figure 1). Photography through [REDACTED] was utilized in a recent detailed analysis of this installation (NPIC [REDACTED] 1/ The most recent photography of the center, obtained in [REDACTED] revealed new information about the installation, including significant changes at the vertical rocket engine test stands in the Test Stand Area and in the Research and Development Area (Figure 2). During [REDACTED] the PGMDPC was photographed on 2 different days -- [REDACTED] photography, however, was of smaller scale than that of [REDACTED] and did not yield as much information about the test stands because the superstructures of the stands obscured the view of the sumps. The [REDACTED] photography has therefore been used for Figures 2, 3, 5, and 6.

Evidence of recent test activity is visible at Test Stand No 3, the largest stand in the Rocket Engine Test Facility at the PGMDPC: 2 oblique views of this test stand are presented in Figure 3. A fan-shaped scar is visible on the lower part of the flame deflector, and a narrow scar or fissure is apparent on the upper part of the flame deflector which extends up under the test stand superstructure. The sump has been drained of most of the large volume of effluent observed on photography of [REDACTED] 1/ and debris is visible in the bottom of the sump. This debris appears to consist of a large curved object and a

smaller object; however, this debris could possibly be sediment of some type. The debris was not present on [REDACTED] 1/ The outline of the easternmost corner of the bottom of the sump also appears to be somewhat disrupted, as if a slide had occurred or an excavation is in progress. The northernmost of the 2 superstructure support struts appears thinner than when seen on [REDACTED] even though the shadows of both support struts are about the same width. All these factors possibly indicate a minor accident at this test stand, an accident of the type that could be expected to occur occasionally when a large rocket engine is test fired.

The photography of [REDACTED] also reveals stains in the sump of Test Stand No 1 and in the sumps of both test positions at Test

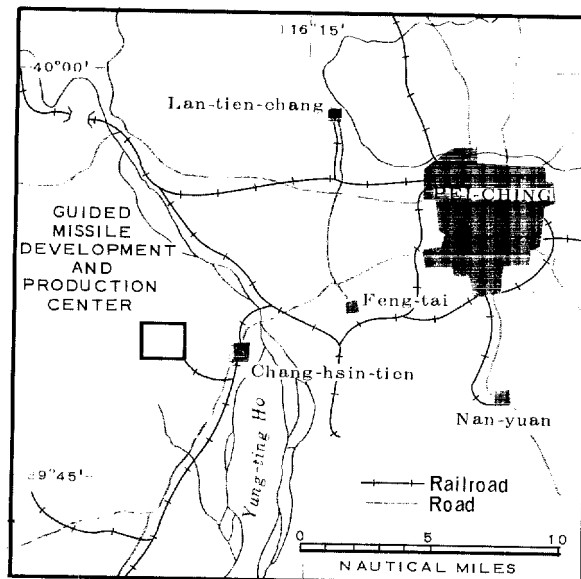


FIGURE 1. LOCATION MAP.

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[illegible]

FIGURE 2. PEI-CHING GUIDED MISSILE DEVELOPMENT AND PRODUCTION CENTER, CHANG-HSIN-TIEN, CHINA

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FIGURE 3. TWO VIEWS OF TEST STAND NO 3, PGMDPC.

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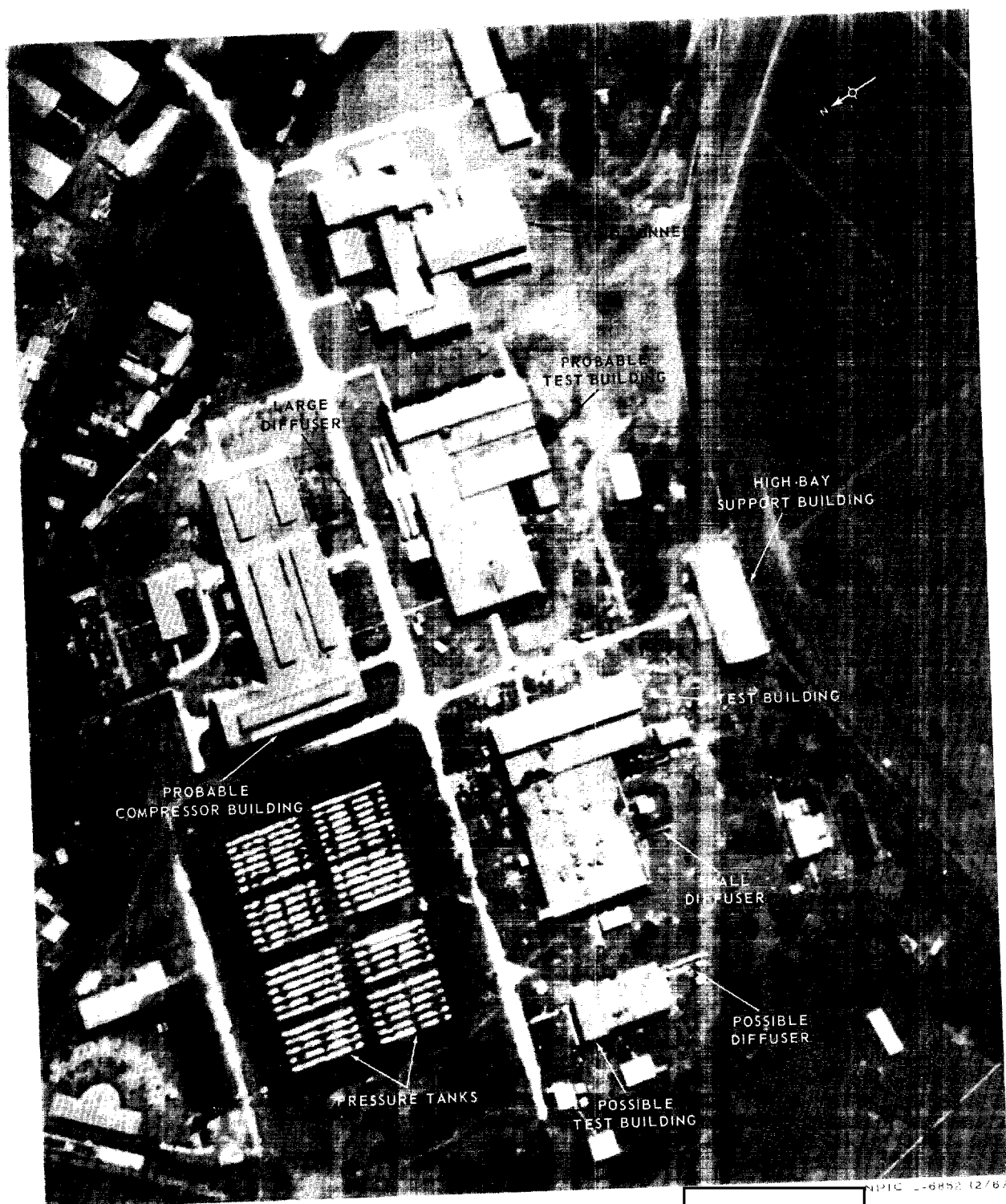


FIGURE 4. RESEARCH AND DEVELOPMENT AREA

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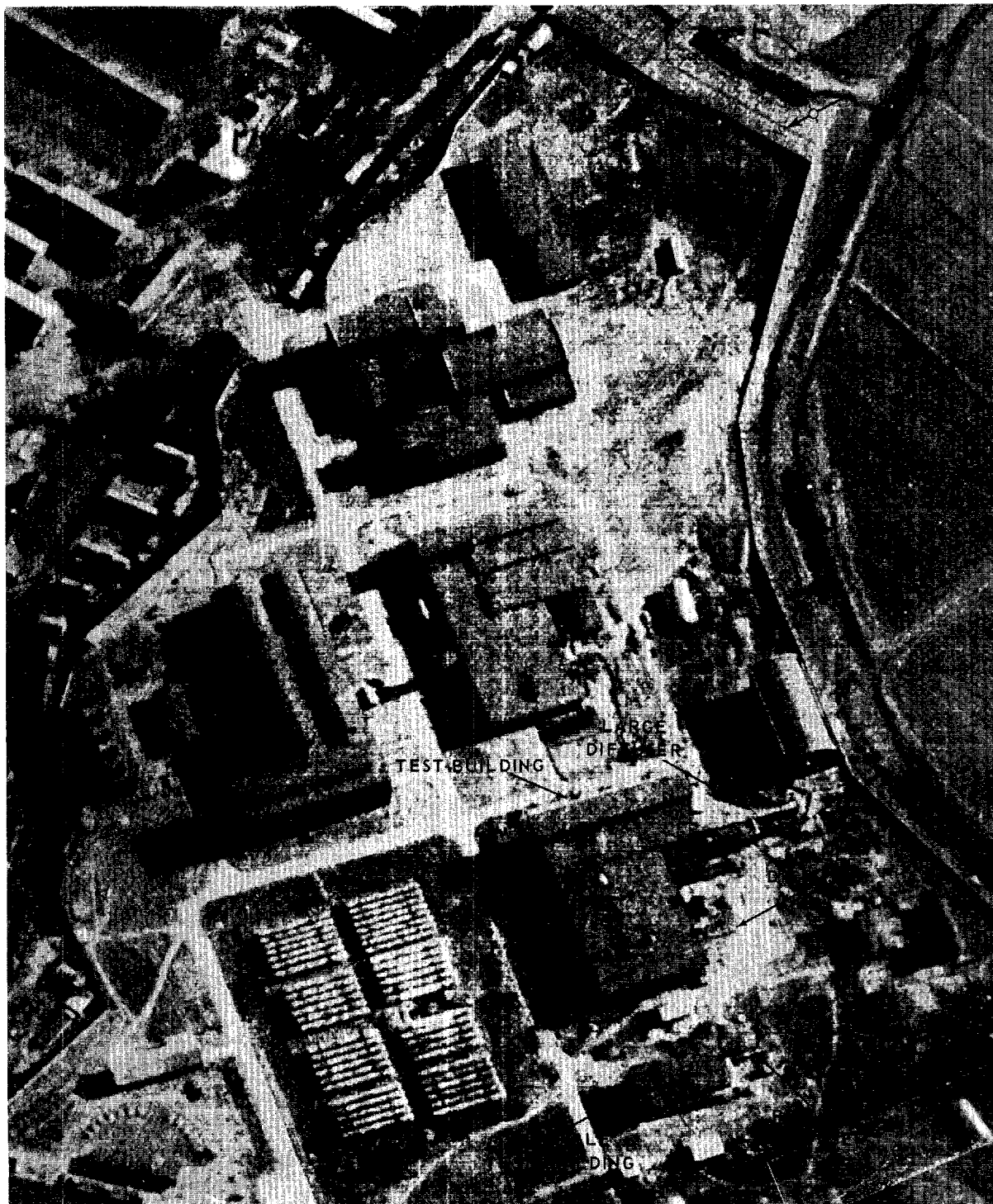


FIGURE 5. RESEARCH AND DEVELOPMENT AREA

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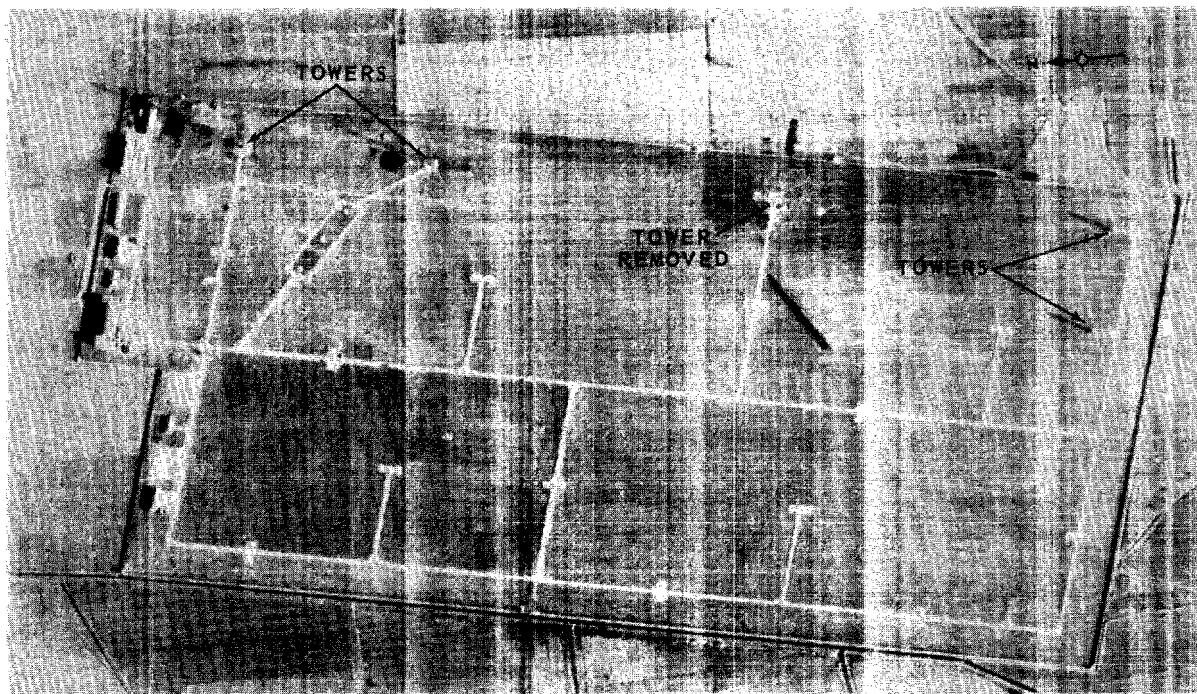


FIGURE 6. RECTANGULAR SECURED AREA, [REDACTED]

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Stand No. 2, indicating test activity at both stands. A light-toned scar is visible on the flame deflector of the southernmost test position at Test Stand No. 2, and a light-toned area that resembles somewhat the debris at Test Stand No. 3 is apparent in the sump directly below the scar.

Since the photography of [REDACTED] 3 Chinese characters have appeared on a hillside near the test stands, immediately outside the secured area (Figure 2). These characters have not been deciphered to date; however, the middle character may be the symbol for either "6" or "great."

The Probable Propellant Production Area has been completed (Figure 2). Two circular tanks in this area are similar in appearance to probable cryogenic storage tanks observed at a number of Soviet rocket engine test facilities. These tanks appear to have thick, probably insulated, walls; a small probable valve house is adjacent to the outside of each of the tanks,

presenting a keyhole configuration when viewed from directly above. The facilities in this area would seem to be involved in the production of cryogenics; however, a previously identified air liquefaction plant is located immediately south-east of Test Stand No. 2. 1/

The Research and Development Area contains a previously identified wind tunnel of the continuous-flow, closed-circuit type, an adjacent probable test building, a probable compressor test building, and a group of horizontal pressure tanks (Figure 4). The [REDACTED] photography reveals a large and a small diffuser extending from the south side of a test building previously identified as a probable test building (Figure 5). The presence of the 2 diffusers indicates that the building contains at least 2 high-velocity wind tunnel test units. The large diffuser was first observed in a storage yard on photography of [REDACTED] and near the probable test building on [REDACTED] pho-

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tography. 1/ A nearby small building with 1 possible diffuser is newly identified as a possible test building.

Newly observed changes in other areas of the PGMDPC include a storage type building under construction in the Industrial and Fabrication Area and an unidentified tubular object adjacent to a probable vehicle track (Figure 2). Since [] 1 of the lattice towers has

been removed from the Rectangular Secured Area which is located about 1 nm southeast of the Research and Development Area (Figure 6). The [] photography reveals that the thermal powerplant is in operation. Sixteen rail/tank cars and considerable amounts of material in open storage are visible throughout the center, although few vehicles can be seen.

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REFERENCES

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MAPS OR CHARTS

ACIC series, scale 1:200,000

DOCUMENT

1. NPIC, [] *Pei-ching Guided Missile Development and Production Center, Chang-hsin-tien, China*, [] Jan 67 (TOP SECRET [])

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REQUIREMENT

GMAIC 3-67

NPIC PROJECT

11021/67 (partial answer)

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